Short Course — 2019 Industrial Research Chairs in Hydro and Extractive Metallurgy

Date: September 23 – 24, 2019
Venue: Room 311, Brimacombe Building, 2355 East Mall, Vancouver, BC V6T 1Z4.
Course description:
The two-day short courses will cover a range of topics on the fundamentals and recent technology developments in the field of extractive metallurgy and hydrometallurgy (course agenda is attached).

Please RSVP by September 7 to Wenying Liu at wenying.liu@ubc.ca with any special dietary restrictions.

Non-chair sponsors are welcome to attend with a $400 registration fee. We look forward to seeing you at UBC.

Short Course Schedule

September 23	**Module 1: Lead and Zinc Extraction and Refining**	
Morning	**Topics**	**Instructor**
8:30—9:00	Setup and breakfast	
9:00—9:45	Hydrometallurgical lead recovery in methane sulfonic acid solutions	David Dreisinger (UBC)
9:45—10:45	Zinc pressure leaching	Rachel Moore (Teck)
10:45—11:00	Morning coffee break	
11:00—12:00	Kivcet smelting process: The case of Trail operations	Greg Richards (Teck)
12:00-13:00	Lunch and discussion	
September 23	**Module 2: Iron Chemistry and Hydrometallurgy of Nickel and Cobalt**	
Afternoon	**Topics**	
13:00—14:00	The behaviour of iron under medium temperature Autoclave Conditions	Tyler Seaman (CESL)
14:00—14:45	Hydrometallurgical precipitation of iron: principles and applications.	Wenying Liu (UBC)
14:45—15:00	Afternoon break	
15:00-16:00	Ni and Co laterite leaching technologies	Edouard Asselin (UBC)
September 24	**Module 3: Pyrometallurgy of Nickel and Cobalt**	
Morning	**Topics**	
8:30—9:00	Setup and breakfast	
9:00—9:45	Fundamentals of slag chemistry	Leili Tafaghodi (UBC)
9:45—10:45	Ni/Co pyrometallurgy	Mika Muinonen (XPS)
10:45—11:00	Morning break	
11:00—12:00	Pyrometallurgical processing of nickel laterite Ore	Ron Schonewille (XPS)
12:00-13:00	Lunch and discussion	
September 24	**Module 4: Lithium Extraction and Refining**	
Afternoon	**Topics**	
13:00—14:00	Important factors and developments in lithium production from hard rock and brine sources	Rob Fraser (Hatch)
14:00—14:45	Metallurgical testing behind the production of high purity lithium products	Steve Mackie (SGS)
14:45—15:00	Afternoon break	
15:00—16:00	Electrolyte pre-treatment and impurity control for electrolytic processes	Alex Burns (NORAM)